Windbreak Interpretations

Farmstead windbreaks protect livestock, buildings, and yards from wind and snow. They also protect fruit trees and gardens, and they furnish habitat for wildlife. Several rows of low-growing and high-growing broadleaf and coniferous trees and shrubs provide the most protection.

Field windbreaks are narrow plantings made at right angles to the prevailing wind and at specific intervals across the field. The interval depends on the erodibility of the soil. Field windbreaks protect cropland and crops from wind, help to keep snow on the fields, increase crop yields, and provide food and cover for wildlife.

Each tree or shrub species has certain climatic and physiographic limits. Within these parameters a tree or shrub may be well or poorly suited because of soil characteristics. Each tree or shrub also has definable potentials of height growth based on the soil type and climate.

Information in this subsection, which includes windbreak suitability groups and a windbreak and environmental plantings table, can be used as a guide in planning windbreaks and screens.

This subsection includes:

• (a) Trees and Shrubs for Windbreak and Environmental Plantings

Windbreaks and Environmental Plantings

(Absence of an entry indicates that trees generally do not grow to the given height.)

Map symbol							
and soil name	<8	8-15	16-25	26-35	>35		
0000:	 	 	 -	l I	l I		
Adco	Fragrant sumac,	Gray dogwood,	 Eastern redcedar	l Dugtrian nine	! !		
	ninebark.	possumhaw, Amur	Lastern redecar	Norway spruce,	 		
	I IIIICDALIA	maple.	! 	common hackberry,	! 		
	İ		! 	honeylocust, pin	! I		
	İ	İ	İ	oak.	İ		
0001:		 	 	 	 		
Armstrong	 Fragrant sumac.	 Gray dogwood,	 Eastern redcedar	 Austrian pine.	l I		
IIIID CI OIIG	ninebark.	possumhaw, Amur	l	Norway spruce,	! 		
	1	maple.	! 	common hackberry,	! I		
	İ		! 	honeylocust, pin	! I		
	İ	İ	İ	oak.	İ		
0002:	 	 	 	 	 		
Keswick	Fragrant sumac,	 Gray dogwood,	 Eastern redcedar	Austrian pine,			
	ninebark.	possumhaw, Amur		Norway spruce,	İ		
]	maple.	i	common hackberry,	İ		
	i	i	i	honeylocust, pin	i		
	İ	İ	İ	oak.	İ		
Trban land.	 	 	 	 	 		
0003, 50004:	l I	 	l I	İ	l I		
Mexico	 Fragrant_sumac.	Gray dogwood,	 Eastern redcedar	l Nustrian pine.	! !		
CALCO	ninebark.	possumhaw, Amur	l	Norway spruce,	! 		
	1	maple.	! 	common hackberry,	! I		
	İ		! 	honeylocust, pin	! I		
	İ	İ	İ	oak.			
0005:	 	 	 	 	 		
Mexico	 Fragrant sumac.	Gray dogwood,	 Eastern redcedar	 Austrian pine.	i		
	ninebark.	possumhaw, Amur		Norway spruce,	İ		
]	maple.	i	common hackberry,	İ		
	i	 	i	honeylocust, pin	İ		
	İ	İ	İ	oak.	İ		
rban land.	 	 	 	 	 		
IDUII IUIIU.		 	 	 	 		
006, 50007:	İ	İ	İ	İ	İ		
anmeter	Fragrant sumac	Washington hawthorn,	Virginia pine,	Eastern cottonwood			
	I	eastern redbud,	persimmon, eastern	I			
	I	wahoo.	redcedar, green	I			
	1	I	ash.	I	I		

Map symbol	 		ted 20-year average h		
and soil name	<8	8-15	16-25	26-35	>35
					1
0008, 50009: Keswick	 Eragrant gumag	 Gray dogwood,	 Eastern redcedar	 Augtrian nino	l I
Reswick	ninebark.	possumhaw, Amur	Lastern redcedar	Norway spruce,	
	minepark:	maple.	! 	common hackberry,	
	i		i	honeylocust, pin	!
	İ	İ	İ	oak.	
50010, 50011:	 	 	 	 	
Winnegan	 Fragrant sumac	 Gray dogwood,	 Eastern redcedar	l Daugtrian pine	l l ===
mining dir	ninebark.	possumhaw, Amur	l	Norway spruce,	!
	 	maple.	i	common hackberry,	
	İ	į -	İ	honeylocust, pin	İ
	!	<u> </u>	<u> </u>	oak.	
50012:	 	 	 	 	
Putnam	Buttonbush	Possumhaw	Nannyberry,	Common hackberry,	Eastern cottonwood
			arborvitae, eastern	baldcypress, pin	
			redcedar.	oak.	
0003, 60008:	 	 	 	 	
Menfro	Fragrant sumac	American plum,	Washington hawthorn,	Tuliptree, northern	Eastern white pin
		southern arrowwood,	eastern redbud,	red oak, green ash,	
		gray dogwood.	eastern redcedar.	white fir.	
50009:	 	 	 	 	
Clinkenbeard	American plum,	 Washington hawthorn,	Austrian pine,		
	common lilac,	gray dogwood, Amur	Virginia pine,	İ	İ
	fragrant sumac.	maple.	common hackberry,	I	
	l	l	eastern redcedar,	l	
		 -	honeylocust.	 -	
Gasconade.		 	 	 	
Rock outcrop.	 	 	 	 	
-	į			į	
50010, 60011:	 Pool to and on the				
Arisburg	Buttonbush	Possumhaw			Eastern cottonwood
	 	 	arborvitae, eastern redcedar.	oak.	
	 	 	reacedar.	Oak.	
50012:	ļ	<u> </u>		ļ	ļ
Bardley		Washington hawthorn,			ļ
	common lilac,	gray dogwood, Amur	Virginia pine,		
	fragrant sumac.	maple.	common hackberry,	 	
]] 	eastern redcedar,] 	l i
	I	I	I moneyrocust.	I	I

Map symbol	Trees having predicted 20-year average height, in feet, of						
and soil name	<8	8-15	16-25	26-35	>35		
					[
0012: Clinkenbeard	 American plum	 Washington hawthorn,	 Austrian nine	 	 		
CIImcinocuiu	common lilac,	gray dogwood, Amur	Virginia pine,		! 		
	fragrant sumac.	maple.	common hackberry,		İ		
		į -	eastern redcedar,	İ	İ		
	İ	İ	honeylocust.		İ		
2010	1						
0019: Hatton	 Eragrant gumag	 Gray dogwood,	 Eastern redcedar	 Augtrian nino	 		
haccon	ninebark.	possumhaw, Amur	Lastern redcedar	Norway spruce,	 		
	l	maple.	i i	common hackberry,	! 		
			i	honeylocust, pin	İ		
		j	j	oak.	j		
		!	!		!		
0020, 60021:	Empanent a	 Washington beaths	 	 Eastern cottonwood			
Lenzburg	Fragrant sumac	eastern redbud,	persimmon, eastern	Eastern cottonwood	 		
	! 	wahoo.	redcedar, green	 	! I		
			ash.		İ		
		j	j		İ		
0022:		[[ļ		
Leonard		Gray dogwood,	Eastern redcedar	=	!		
	ninebark.	possumhaw, Amur		Norway spruce,			
	<u> </u>	maple.		common hackberry, honeylocust, pin	İ		
] 	! 	! 	oak.	! 		
					i		
0023:	İ	İ	İ		İ		
Marion		Gray dogwood,	Eastern redcedar	Austrian pine,			
	ninebark.	possumhaw, Amur		Norway spruce,			
		maple.		common hackberry,			
	<u> </u> 	 	 	honeylocust, pin	 		
		 	 	oak.	! !		
0024:					į		
Menfro	Fragrant sumac	American plum, gray	Washington hawthorn,	White fir, green	Eastern white pin		
		dogwood, southern	eastern redbud,	ash, northern red			
		arrowwood.	eastern redcedar.	oak, tuliptree.	<u> </u>		
0025:	[]	 	 	[
Urban land.] 	! 	!] 	! 		
					į		
Harvester	Fragrant sumac	American plum, gray	Washington hawthorn,		Eastern white pir		
		dogwood, southern	eastern redbud,	ash, northern red	ļ		
		arrowwood.	eastern redcedar.	oak, tuliptree.			
0026, 60027, 60028:	[]]] 	[I I		
Weller	 Fragrant symag	 Gray dogwood,	 Eastern redcedar	l Augtrian nine	I I		
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ninebark.	possumhaw, Amur		Norway spruce,			
		maple.	İ	common hackberry,	i		
		j	j	honeylocust, pin	İ		

Map symbol	Trees having predicted 20-year average height, in feet, of					
and soil name	<8	8-15	16-25	26-35	>35	
50029:	<u> </u>					
Weller	Fragrant sumac, ninebark. 	Gray dogwood, possumhaw, Amur maple.	Eastern redcedar 	Austrian pine, Norway spruce, common hackberry,		
	 	 	 	honeylocust, pin oak. 		
Urban land.	i I	 	i I	i I	İ	
50030, 60031, 60032:	İ	<u> </u>	İ	İ	i	
Winfield	Fragrant sumac 	American plum, gray dogwood, southern arrowwood.	Washington hawthorn, eastern redbud, eastern redcedar.	White fir, green ash, northern red oak, tuliptree.	Eastern white pin	
50033, 60034:	 	 	 	 		
Wrengart	Fragrant sumac	American plum, gray	Washington hawthorn,	White fir, green	Eastern white pin	
	 	dogwood, southern arrowwood.	eastern redbud, eastern redcedar.	ash, northern red oak, tuliptree.		
50035:	l I	 	İ	İ	İ	
Wrengart	Fragrant sumac	:	:	:	Eastern white pir	
	 	dogwood, southern arrowwood. 	eastern redbud, eastern redcedar.	ash, northern red oak, tuliptree.		
Urban land.	 -	! 	 -	 		
50036:	 	 	 	 		
Menfro	Fragrant sumac		Washington hawthorn,		Eastern white pin	
	 	southern arrowwood, gray dogwood.	eastern redbud,	green ash, tuliptree, white	1	
	! 	gray dogwood:	eastern redcedar:	fir.		
50037:	 	 	 	 		
Wrengart	Fragrant sumac				Eastern white pin	
	 	dogwood, southern arrowwood.	eastern redbud, eastern redcedar.	ash, northern red oak, tuliptree.		
50038, 60039:	 	 	 	 	1	
Rocheport	Fragrant sumac,	Gray dogwood,	Eastern redcedar	Austrian pine,	i	
	ninebark.	possumhaw, Amur	!	Norway spruce,	ļ	
		maple.		common hackberry,		
				honeylocust, pin oak.		
Bonnefemme	 Fragrant sumac,	 Gray dogwood,	 Eastern redcedar	 Austrian pine,		
	ninebark.	possumhaw, Amur	İ	Norway spruce,	j	
	!	maple.	!	common hackberry,	!	
				honeylocust, pin		
	!	!	!	oak.	Ţ	

Map symbol	Trees having predicted 20-year average height, in feet, of					
and soil name	<8	8-15	16-25	26-35	>35	
	!				!	
64002: Freeburg	 American plum, fragrant sumac. 	 Blackhaw, gray dogwood. 	 Washington hawthorn, nannyberry, eastern redcedar.		 Eastern white pine, pin oak. 	
64004: Auxvasse	 American plum, fragrant sumac.	 Blackhaw, gray dogwood.	 Washington hawthorn, nannyberry, eastern redcedar.		 - Eastern white pine, pin oak. 	
64005: Moniteau	 Buttonbush 	 Possumhaw 	 Nannyberry, arborvitae, eastern redcedar.	 Common hackberry, baldcypress, pin oak.	 - Eastern cottonwood. 	
64006: Tanglenook	 Buttonbush 	 Possumhaw	 Nannyberry, arborvitae, eastern redcedar.	Common hackberry, baldcypress, pin oak.	 Eastern cottonwood. 	
66007: Leta	 American plum, fragrant sumac. 	 Blackhaw, gray dogwood. 	 Washington hawthorn, nannyberry, eastern redcedar.	•	 Eastern white pine, pin oak. 	
66014: Haymond	 Fragrant sumac, American plum. 	 Blackhaw, gray dogwood. 	 Nannyberry, Washington hawthorn, eastern redcedar.	 Sweetgum, green ash, white fir. 	 Pin oak, eastern white pine. 	
66015, 66016: Blake	American plum, blackhaw.	 Possumhaw 	Washington hawthorn, arborvitae, nannyberry, white spruce, eastern redcedar.	Bur oak, common hackberry, green ash.	 	
66017: Cedargap	 American plum, blackhaw. 	 Possumhaw 	 Washington hawthorn, arborvitae, nannyberry, white spruce, eastern redcedar.	 Bur oak, common hackberry, green ash. 	 	
Dameron	 American plum, blackhaw. 	 Possumhaw 	 Washington hawthorn, arborvitae, nannyberry, white spruce, eastern redcedar.	Bur oak, common hackberry, green ash.	 	

	Trees having predicted 20-year average height, in feet, of					
Map symbol						
and soil name	<8	8-15	16-25	26-35	>35	
66018:	 	 	 	 	 	
Darwin	Buttonbush - 	Possumhaw 	Nannyberry, arborvitae, eastern redcedar.	Common hackberry, baldcypress, pin oak.	Eastern cottonwood.	
66019, 66020:	! 	 	 	! 	! 	
Haynie	American plum 	American holly, common chokecherry.		Bur oak, white fir, white spruce. 	Green ash, eastern cottonwood.	
66021:	! 	 	 	! 	! 	
Perche	Fragrant sumac 	Silky dogwood, American plum, gray dogwood.		Sweetgum, green ash, white fir, Norway spruce.	Eastern white pine, pin oak. 	
66022:	 		 	 	 	
Sandover	Fragrant sumac 	Silky dogwood, American plum, gray dogwood.		Sweetgum, green ash, white fir, Norway spruce.	!	
66023:	! 	 	 	 	! 	
Sarpy	American plum, common lilac, fragrant sumac, gray dogwood.	Washington hawthorn 	Blackjack oak, persimmon, eastern redcedar, jack pine.	Eastern cottonwood 	 	
66024:	 		 	 	 	
Wilbur	Fragrant sumac, American plum. 	Blackhaw, gray dogwood. 	Nannyberry, Washington hawthorn, eastern redcedar.	Sweetgum, green ash, white fir. 	Pin oak, eastern white pine. 	
66025: Jemerson	 silky dogwood 	 American cranberrybush. 	 Washington hawthorn, blue spruce, white fir.	 Austrian pine, Norway spruce, eastern white pine.	 Pin oak. 	
			l			